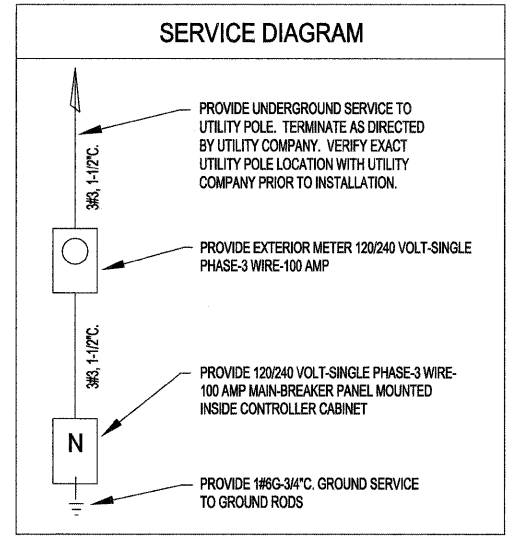


NOTES:

- IT IS THE PURPOSE AND INTENT OF THE SPECIFICATION, NOTES AND DRAWINGS, THAT THE CONTRACTOR SHALL FURNISH ALL LABOR AND MATERIAL NECESSARY TO PROVIDE A COMPLETE INSTALLATION OF ELECTRICAL SERVICES AS INDICATED ON THE PLANS AND AS HEREIN AFTER SPECIFIED COMPLETE IN MATERIALS AND FITTINGS AS MAY BE REQUIRED TO MAKE THE WORK COMPLETE FOR THE PURPOSE INTENDED.
- THE DRAWINGS PERTAINING TO THIS INSTALLATION GENERALLY INDICATE THE LOCATION OF EQUIPMENT AND OTHER DETAILS NECESSARY TO COMPLETE THE INSTALLATION. BIDDERS SHALL ACQUAINT THEMSELVES WITH THE WORKING CONDITIONS AND REQUIREMENTS AT THE BUILDING SITE, AS ANY CONTRACTS FOR THIS WORK WILL BE BASED UPON FURNISHING ALL LABOR AND MATERIALS REQUIRED TO ENTIRELY COMPLETE THE WORK READY FOR USE.
- ANY CHANGES IN THE LOCATION OF THE EQUIPMENT, ETC. FROM THOSE SHOWN ON THE DRAWINGS SHALL BE MADE WITHOUT CHARGE IF SO DIRECTED BY THE ENGINEER/OWNER BEFORE INSTALLATION.
- ALL ELECTRICAL WORK SHALL BE PERFORMED IN A WORKMANLIKE MANNER AND IN FULL ACCORD WITH LATEST LOCAL ELECTRICAL CODES AND REQUIREMENTS.
- PROVIDE PROPER AND SUFFICIENT GROUND CONNECTION FOR ALL ELECTRICAL DEVICES AND EQUIPMENT. ALL CONDUIT CONNECTIONS SHALL BE DRAWN UP TIGHT AND SECURE. ALL CONDUITS TO CONTAIN A GREEN INSULATED CODE SIZED EQUIPMENT GROUNDING CONDUCTOR (UNLESS NOTED OTHERWISE).
- SUBMIT SHOP DRAWINGS FOR REVIEW PRIOR TO PURCHASING EQUIPMENT.
- MINIMUM WIRE SIZE TO BE #12 THWN/THHN COPPER. OVER 75' RUNS TO MID-POINT OF LOAD SHALL BE MINIMUM #10 (UNLESS NOTED OTHERWISE). WIRES #10 AND SMALLER TO BE SOLID. WIRES #8 AND LARGER TO BE STRANDED. MAXIMUM VOLTAGE DROP TO BE 3% FOR FEEDERS AND BRANCH CIRCUITS.
- MINIMUM CONDUIT SIZE TO BE 1/2" EMT. COUPLINGS AND CONNECTORS TO BE STEEL SET-SCREW OR STEEL COMPRESSION TYPE.
- THE MANUFACTURER SHALL GUARANTEE ALL EQUIPMENT AND WIRING FREE FROM INHERENT MECHANICAL AND ELECTRICAL DEFECTS WITHIN THE STANDARD MANUFACTURER WARRANTY PERIOD. ALL REPAIRS AND ADJUSTMENTS, INCLUDING LABOR, MADE NECESSARY BY INHERENT MECHANICAL OR ELECTRICAL DEFECTS SHALL BE RENDERED WITHOUT COST TO THE OWNER.
- THIS CONTRACTOR SHALL OBTAIN WRITTEN APPROVAL FROM ELECTRIC UTILITY COMPANY PRIOR TO INSTALLATION OF SERVICE.
- ALL ELECTRICAL EQUIPMENT SHALL BE SIZED TO EXCEED THE POTENTIAL MAXIMUM AVAILABLE SHORT CIRCUIT CURRENT. OBTAIN IN WRITING FROM SERVING UTILITY COMPANY & EQUIPMENT SUPPLIER.
- ALL BRANCH CIRCUIT CONDUCTORS SHALL BE CONNECTED TO RECEPTACLES, SWITCHES AND OTHER SUCH DEVICES BY MEANS OF SCREW TERMINALS THAT ARE MANUFACTURED AS PART OF THE DEVICE. ALL BRANCH CIRCUIT CONDUCTORS SHALL BE SPLICED OR LOOPED IN SUCH A MANNER AS TO PROVIDE FOR NO MORE THAN ONE CONDUCTOR TO BE CONNECTED TO AN ELECTRICAL DEVICE SCREW TERMINAL. THE INSERTION OF ANY CONDUCTOR INTO A SCREWLESS TERMINAL OF ANY ELECTRICAL DEVICE SHALL NOT BE AN APPROVED TERMINATION.
- ALL ELECTRICAL WORK SHALL BE INSTALLED IN A CONDUIT SYSTEM.
- SHOP DRAWINGS OF ALL ELECTRICAL SYSTEMS AND EQUIPMENT SHALL BE SUBMITTED TO I.D.O.T. FOR APPROVAL PRIOR TO INSTALLATION.
- THE ENTIRE INSTALLATION SHALL BE PERFORMED IN A NEAT AND WORKMANLIKE MANNER. THE COMPLETED SYSTEMS SHALL BE FULLY OPERATIONAL. FINAL ACCEPTANCE OF THE WORK SHALL BE A CONDITION OF THE CONTRACT.
- CONDUIT SHALL BE CONCEALED WHERE POSSIBLE. WHERE RUN EXPOSED, CONDUIT SHALL BE RUN IN STRAIGHT LINES PARALLEL AND/OR PERPENDICULAR TO THE BUILDING CONSTRUCTION. ALL WIRING SHALL BE IN CONDUIT. CONDUIT SHALL BE 1/2" MIN. DIAMETER TRADE. INTERIOR WIRING SHALL BE IN E.M.T. EXTERIOR, BENEATH GRADE OR IN CONCRETE, CONDUIT SHALL BE GALVANIZED RIGID STEEL, OR WHERE APPLICABLE INTERMEDIATE METAL CONDUIT.
- CONTRACTOR SHALL FURNISH AND INSTALL ALL LIGHTING FIXTURES AND LAMPS, UNLESS NOTED OTHERWISE. REPLACE FAILED LAMPS AND BALLASTS. LAMPS AND BALLASTS SHALL BE OPERATING FOR A PERIOD OF 50 HOURS PRIOR TO OWNERS ACCEPTANCE.
- CONTRACTOR SHALL INCLUDE ALL MISCELLANEOUS ITEMS REQUIRED TO COMPLETE THE WORK.
- GROUNDING SHALL COMPLY WITH REQUIREMENTS OF THE LOCAL INSPECTION AUTHORITY.
- ALL MATERIALS UNLESS NOTED ON THE PLANS, SHALL BE NEW, BEAR THE U/L LABEL AND BE OF THE APPROPRIATE NEMA STANDARD.
- WHERE TRENCHED UNDERGROUND WIRING PASSES UNDER NEW PAVEMENT OR WALKS, PROVIDE 12" MINIMUM SAND BACK FILL ENCASEMENT AND THEN COMPACTED GRANULAR BACK FILL.
- THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES FOR FIELD LOCATIONS OF THEIR FACILITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE AND PRESERVATION OF THESE FACILITIES.
- ELECTRICAL AND CONCRETE CONTRACTOR SHALL COOPERATE TO PERFORM THE VARIOUS PHASES OF WORK.

LEGEND

- = ALL WEATHER DUPLEX GFCI RECEPTAL
- = FLOOD LIGHT (SEE SPECIAL PROVISIONS)
- = CIRCUIT NUMBER



PANEL:

MOUNTING:	SURFACE	SERVED FROM:	AS NOTED
MAIN CB:	100/2	CONN. LOAD:	AS NOTED
M.L.O.:	-	FEEDER SIZE:	AS NOTED
VOLTAGE:	120/240	LOCATION:	AS SHOWN
PHASE:	1		
WIRE:	3	SQ. D CAT. NO.:	QO

CIRCUIT USE	C/B				CCT. NO.	VA				C/B	CIRCUIT USE	
	T	P	A	B		A	B	T	P			
RECEPTACLES	20	1	1200		1	2	1200		20	1	RECEPTACLES	
RECEPTACLES	20	1	1200		3	4	1200				RECEPTACLES	
LIGHTS	20	1	700		5	6	500		20	1	CLOCK	
					7	8						
					9	10			15	1	CABINET CONTROL	
CABINET LIGHT	15	1			150	11	12		180	20	1	CAB. RECEPTACLE
					1900	1350			1700	1380		

A Ø = 3600
 B Ø = 2730
 TOTAL = 6330 @ 120/240 = 26 AMPS X 1.25 = 33 AMPS

○ BREAKER LOCK

NOTE:
 THE GENERAL CONTRACTOR IS REQUIRED TO HIRE AN ENVIRONMENTAL FIRM WITH AT LEAST (5) DOCUMENTED LEAKING UNDERGROUND STORAGE TANK CLEAN UPS OR THAT IS PRE-QUALIFIED IN HAZARDOUS WASTE BY THE DEPARTMENT TO REMEDIATE THE SOIL CONTAMINATION AND MONITOR FOR WORKER PROTECTION.

TECH 3 Consulting Group, Inc.
 ENGINEERS SURVEYORS
 737 West Exchange St., Crete, IL 60417
 ph 708.672.4594 fax 708.672.3739
 ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184-002235

USER NAME =	DESIGNED - WJS	REVISED - DEC. 21, 2011
PLOT SCALE =	DRAWN - EGH	REVISED - JAN. 5, 2012
PLOT DATE =	CHECKED - WJS	REVISED -
	DATE - JUNE 23, 2011	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Village of CRETE
 WILL COUNTY, ILLINOIS
 524 EXCHANGE STREET * P.O. BOX 377 * Phone 708-672-5401

ELECTRICAL PLAN
ILLINOIS ROUTE 1 & EXCHANGE
STREET LANDSCAPING

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
876	06-00044-00-LS	WILL	10	7
JOB NO. C-91-051-07		CONTRACT NO. 63664		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT: TE-0001 (728)		

SCALE: 1/4" = 1'-0"

SHEET NO. 7 OF 10 SHEETS STA. - TO STA. -